

IN THE CLAIMS:

Please amend the claims as follows:

1. (Original) A recording apparatus of a helical scan type capable of recording data as inclined tracks onto a tape-shaped recording medium, comprising:

a rotary drum having N recording heads (where N is a plural number) on a circumference thereof;

first series code generating means for generating a first series code by adding a first parity to a first data array in a predetermined direction;

second series code generating means for generating a second series code by adding a second parity to a second data array in a direction orthogonal to said direction of said first data array; and

recording control means for controlling recording such that said first series code is recorded by one of said N recording heads and said second series code is recorded by said N recording heads in a dispersed manner, on said tape-shaped recording medium,

wherein said second series code generating means generates said second series code such that a ratio of said second parity to said second series code becomes $1/N$ or more.

2. (Currently Amended) The recording ~~method~~ apparatus according to claim 1, wherein said number N of said recording heads are 4 or more.

3. (Currently Amended) The recording ~~method~~ apparatus according to claim 1, wherein said first series code is recorded across a plurality of tracks, which are formed by one of said N recording heads.

4. (Original) A recording method for a recording apparatus of a helical scan type which records data as inclined tracks onto a tape-shaped recording medium by N recording heads (where N is a plural number) disposed on a circumference of a rotary drum, said method comprising the steps of:

generating a first series code by adding a first parity to a first data array in a predetermined direction;

generating a second series code such that a ratio of second parity to a second data array becomes $1/N$ or more, wherein said second parity is added to said second data array in a direction orthogonal to said direction of said first data array of said first series code; and

controlling recording such that said first series code is recorded by one of said N recording heads on said tape-shaped recording medium and said second series code is recorded by said N recording heads in a dispersed manner.